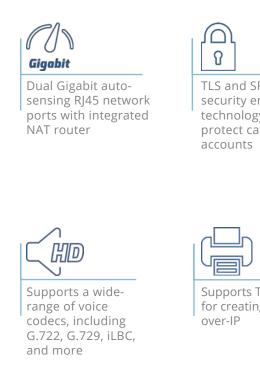


E1/T1/J1 Digital VoIP Gateway GXW4500 Series

The GXW4500 series are E1/T1 Digital VoIP Gateways that allow digital PSTN and ISDN trunks to be integrated with VoIP networks. By connecting the GXW4500 series with a VoIP network and a traditional PBX or E1/ T1 provider, businesses can drastically increase the amount of PSTN/ISDN trunks integrated with their VoIP network. The GXW4500 series offers three models that provide 1, 2 or 4 T1/E1/J1 spans and support 30, 60 or 120 concurrent calls to cater to the VoIP needs of large and medium sized enterprises.



TLS and SRTP security encryption technology to protect calls and



Automated provisioning by HTTP/TFTP with XML config files

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Software configurable E1/T1/ J1 ports, support PRI, SS7, MFC R2



Supports T.38 Fax for creating Fax-



Supports multilanguage voice promtps



Interfaces		
T1/E1/J1 Interface	1/2/4 RJ45 ports, supporting up to 30/60/120 simultaneous VoIP calls	
	Dual self-adaptive Gigabit ports (switched or routed)	
	(2) USB 3.0, (1) SD card interface	
LED Indicators	LAN, WAN, T1/E1/J1	
	128x32 dot matrix graphic LCD with DOWN and OK buttons	
Reset Switch	Yes, long press for factory reset and short press for reboot	
Voice & Video Capabilities	;	
Voice-over-Packet Capabilities	LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711	
Voice and Fax Codecs	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, iLBC, AAL2-G.726-32	
Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Passthrough, Fax data pump V.17, V.21, V.27ter, V.29 for T.38 fax relay	
Voice-quality Enhancement	Echo cancellation (G.168-2004), Jitter buffer, Silence suppression (VAD, CNG), PLC	
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS	
Signaling & Control		
DTMF Methods	In-band audio, RFC2833, and SIP INFO	
Digital Signaling	SIP (RFC 3261) over UDP/TCP/TLS, PRI, SS7, MFC R2, RBS (pending) PRI switch types: Euro ISDN, nation, Q.SIG CAS: MFC R2 (Argentina, Brazil, China, Czech Republic, Colombia, Ecuador, Indonesia, ITU, Mexico, Philippines, Venezuela) SS7: ITU, ANSI, China	
Upgrade	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload	
Device Management	Syslog, HTTPS, Web browser, voice prompt, TR-069 management, backup and restore, port capture and packet capture	
Network Protocols	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending), IPv6, OpenVPN®	
Status and statistic	Call status and history, device status monitoring and ISDN status monitoring	
Security	Security	
Media Encryption	SRTP, TLS, HTTPS, SSH, 802.1X	
User-defined ports	SIP port, RTP port, HTTP/HTTPS port	
Advanced Defense	Fail2ban, alert events, Whitelist, Blacklist, strong password based access control	
Physical		
Universal Power Supply	Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A	
Physical & Dimensions	Unit Weight: 2,350g; Package Weight: 780g Unit Dimensions: 485mm(L) x 190mm(W) x 46mm (H)	
Temperature and Humidity	Operating: 32 - 113ºF / 0 ~ 45ºC, Humidity 10 - 90% (non-condensing) Storage: 14 - 140ºF / -10 ~ 60ºC, Humidity 10 - 90% (non-condensing)	
Mounting	Rack mount & Desktop	
Additional Features		
Multi-Language Support	Web UI: English, Simplified Chinese, Traditional Chinese, Spanish, French, Portuguese, German, Russian, Italian, Polish, Czech; Customizable IVR/voice prompts: English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic; Customizable language pack to support any other languages	
Compliance	FCC: Part 15 (CFR 47) Class B, Part 68 CE: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, TBR21, RoHS RCM: AS/NZS CISPR 22, AS/NZS CISPR 24, AS/NZS 60950, AS/ACIF S002 ITU-T K.21 (Basic Level); UL 60950 (power adapter) T1: TIA-968-B Section 5.2.4 E1: TBR4/TBR12/TBR13, E1: AS/ACIF	